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APPLICATION NO		FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/955,414	955,414 09/18/2001		Nancy L. Parenteau	68603-121	1042
23483	7590	03/04/2005		EXAMINER	
WILMER	CUTLER	R PICKERING H	PREBILIC, PAUL B		
60 STATE STREET BOSTON, MA 02109			ART UNIT	PAPER NUMBER	
,			·	3738	
•				DATE MAILED: 03/04/2005	

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)					
Office Action Cumman	09/955,414	PARENTEAU ET AL.					
Office Action Summary	Examiner	Art Unit					
·	Paul B. Prebilic	3738					
The MAILING DATE of this communication app Period for Reply	pears on the cover sheet with the c	orrespondence address					
A SHORTENED STATUTORY PERIOD FOR REPL' THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.1 after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply - If NO period for reply is specified above, the maximum statutory period of Failure to reply within the set or extended period for reply will, by statute - Any reply received by the Office later than three months after the mailing - earned patent term adjustment. See 37 CFR 1.704(b).	36(a). In no event, however, may a reply be timy within the statutory minimum of thirty (30) day will apply and will expire SIX (6) MONTHS from , cause the application to become ABANDONE	nely filed s will be considered timely. the mailing date of this communication. D (35 U.S.C. § 133).					
Status							
1) Responsive to communication(s) filed on 20 D	ecember 2004.						
2a)⊠ This action is FINAL . 2b)□ This	This action is FINAL . 2b) ☐ This action is non-final.						
	Since this application is in condition for allowance except for formal matters, prosecution as to the ments is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.						
	.x parte Quayle, 1955 C.D. 11, 45	00 0.0. 210.					
Disposition of Claims							
	Claim(s) <u>1,3 and 7</u> is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration.						
5) Claim(s) is/are allowed.							
6)⊠ Claim(s) <u>1,3 and 7</u> is/are rejected.	Claim(s) <u>1,3 and 7</u> is/are rejected.						
7) Claim(s) is/are objected to.							
8) Claim(s) are subject to restriction and/o	Claim(s) are subject to restriction and/or election requirement.						
Application Papers							
9)☐ The specification is objected to by the Examine	er.						
10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.							
Applicant may not request that any objection to the	drawing(s) be held in abeyance. See	e 37 CFR 1.85(a).					
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).							
11)☐ The oath or declaration is objected to by the Ex	kaminer. Note the attached Office	Action or form PTO-152.					
Priority under 35 U.S.C. § 119							
12) ☐ Acknowledgment is made of a claim for foreign a) ☐ All b) ☐ Some * c) ☐ None of:)-(d) or (f).					
1. Certified copies of the priority document							
2. Copies of the political copies of the priority document							
 Copies of the certified copies of the prio application from the International Burea 		ed in this National Stage					
* See the attached detailed Office action for a list		ed.					
•							
Attachment(s)							
1) Notice of References Cited (PTO-892)	4) Interview Summary						
 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) 	Paper No(s)/Mail Da 5) Notice of Informal P	Patent Application (PTO-152)					
Paper No(s)/Mail Date	6) Other:						

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Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 1, 3, and 7 are rejected under 35 U.S.C. 103(a) as being unpatentable over Stoval (WO 99/04720) in view of Ferree (US 6,352,557) as evidenced by Johnson et al (abstract of journal article). Stoval discloses a method of forming an opening in an annular fibrosis (see page 10, line 1 to page 11, line 12 and Figure 2), removing at least a portion of the nucleus pulposis (see supra), and grafting a cultured connective tissue construct to close the opening (see page 2, lines 10-18, page 3, lines 7-14, and page 4, lines 10-15). The layer of extracellular matrix as claimed is met by the layer of extracellular matrix material that is inherently present around the cultured cells of Stoval. The language "that synthesize and assemble the layer of extracellular matrix in the absence of exogenous matrix components or synthetic member" is being treated as a product-by-process limitation in the method of making the bioremodelable construct.

However, Stoval fails to clearly disclose a bioremodelable construct as claimed. Ferree teaches that it was known to graft constructs of extracellular matrix and cells into spinal disk spaces; see the abstract and column 1, lines 59-67. Johnson is cited as evidence to show that the nucleus pulposis inherently contains some fibroblast cells; see lines 8-9 of the abstract. Therefore, it is the Examiner's position that it would have

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been obvious to use the connective tissue construct of Ferree as the opening cover of Stoval for the same reasons that Ferree does the same; see the abstract.

Regarding claim 3, since extracellular matrix is made of collagen, the same is present in the constructs of Stoval or Ferree.

Response to Arguments

Applicant's arguments filed December 20, 2004 have been fully considered but they are not persuasive. Applicants argue that Ferree does "teach or disclose the claimed embodiments of the invention"; see page 5 of the response filed December 20, 2004. However, the Examiner asserts that the claimed embodiment is rendered obvious by Stoval and Ferree because Ferree teaches that it was known to fill and patch nucleus pulposis spaces with a material that inherently contains fibroblasts. For this reason, the claim language is fully met.

Conclusion

Applicant should specifically point out the support for any amendments made to the disclosure, including the claims (MPEP 714.02 and 2163.06). Due to the procedure outlined in MPEP 2163.06 for interpreting claims, it is noted that other art may be applicable under 35 USC 102 of 35 USC 103(a) once the aforementioned issue(s) is/are addressed.

Applicant is respectfully requested to provide a list of all copending applications that set forth similar subject matter to the present claims. A copy of such copending claims is respectfully requested in response to this Office action if the application is not stored in image format (i.e. the IFW system) or published.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Examiner Paul B. Prebilic whose telephone number is (571) 272-4758. He can normally be reached on 6:30-5:00 M-Th.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, McDermott Corrine can be reached on 571-272-4754. The fax phone

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number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Paul Prebilic

Primary Examiner

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